RECORD

Woods at Hillsboro N. C.

Piedmont

Q velutina
Q. falcata (S. R. O.)
Liriodendron
Liquidambar
Q alba.
Carya (~~oata~~ ova). non shag b.
Cornus f.
Acer rubrum.
Carya tomentosa
Juglans cin
P Fagus grand

CAROLINA SLATE BELT

L. ASC

Carolina phyllite
mine near Glendon

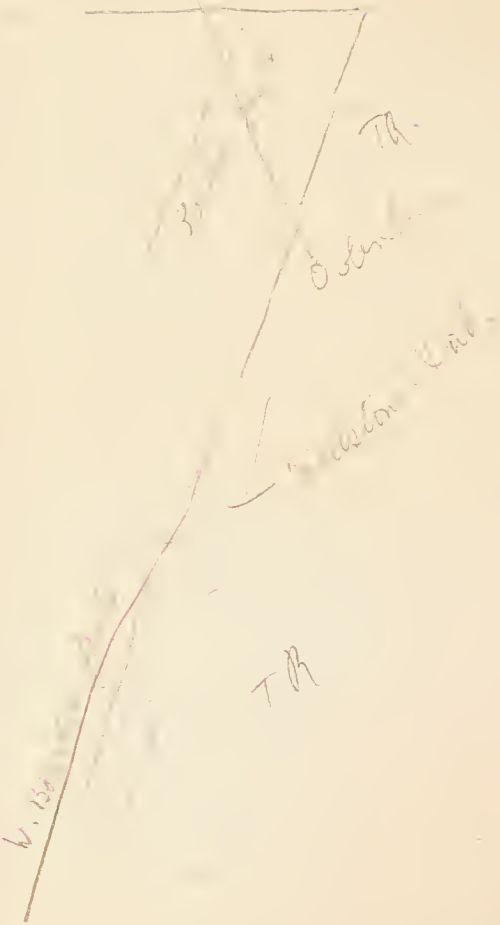
-olds

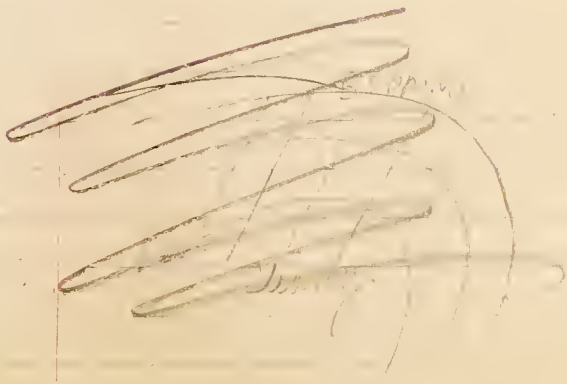
on phyllite

SLATY CLEAVAGE
dipping To N.W.
Folds overturned
to S.E. Atypical
of App STR.
Have crossbedding

Here is Altered Rhyolite
Porphyrite
H
Andesite
Chloritoid
Porphyroid

Hydrothermal





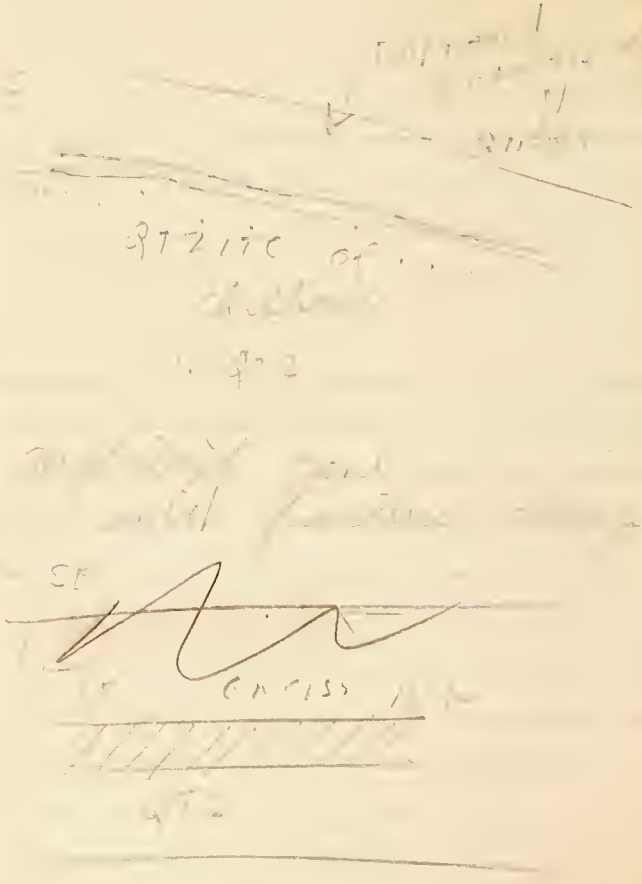
NW

F

Puits. 38.05

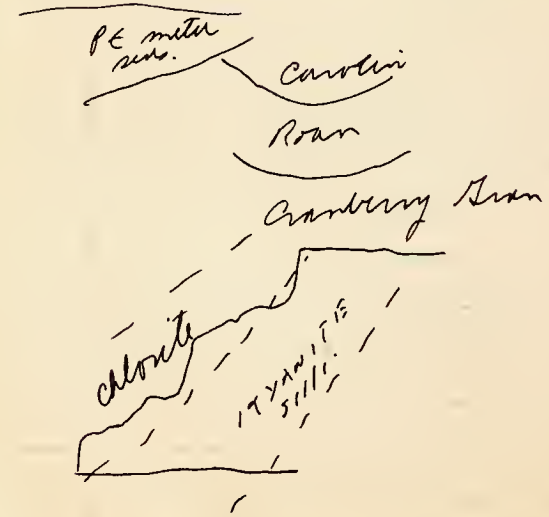
8.

Prob. 36 - Sagwitte shale
Selby N.C.



15. Lake Jonaluska
Carolina Annex
in distant Lyndin

NW.



Asheville & Gatlinburg
Sequence of basement
Smokies.
Meta Seds overlie
Basement Carolina Gneiss
at abt Garnet Grade.

Faulting
Grandview fault
esp. for ~~windows in~~
ridges & windows in Am.
Intensely folded & has no
effect on metamorphism
Pre Later Meta.

Then Great Smoky fault
Brings chlorite up over
unmeta V & R rocks
Post Metamorph

Both
Gr. Smoky
Linville fault
pres late Palezo.

Members of Gr. Smoky Mts. Mbr.

Basement Gneiss
Carolina.

Gr. Smoky Mb. Gp.
(Keith's orig Gr. S. M. Congl.)

Has been broken into 2 new fms.
of 2 Gps.

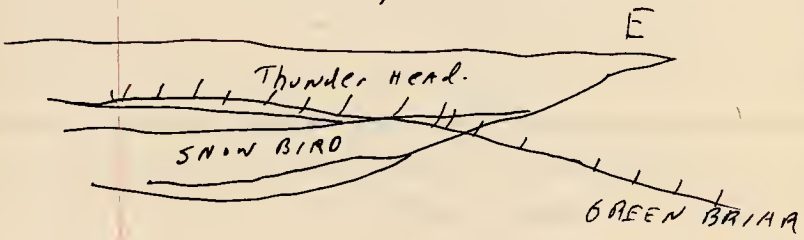
Lower.
Snow Bird Gp.

Upper Gr. Smoky. Gp.

Thunder Head fm.
Very thick

Green Briar bunijo
younger Thunderhead over
the older Snow Bird
in many places.

Sen. Leg.




Moves Thunderhead over a
very great thickness of
Snowbird gp.

Snow Bird - filling trough from
SE.
Overlying Sr. Sandy. or
Brall ser in Sen.
seems to coarsen from
N.
so these two do not have
same rel to Appl. Trough
or Cater Sedn

Ocoee Ser.
This entire sequence may be in upper plate of Linville fault and have come from somewhere east of Grand Father Mt. Window

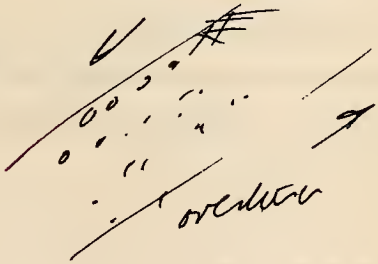
Gr. Sm Fault
of Linville

Quartzite all plunge into basement and are not gravity slides.

Contact of Snow Bird on Thrust
Bedding? & channel dev on Thrust surface in other places gradational saprolite dev. on contact

17. Upper Great Smoky Mt. Gp.
of Ocoee Series

Turbidite
Schistic conglo & ss.
with shs.
Chlorite grad




Red Spruce
Y. Birch
Frazier Fer.

Newfound Gp.

Upper unit of Gr. Smoky Conglom.

2 deformations

14. Ocoee

Turbidites

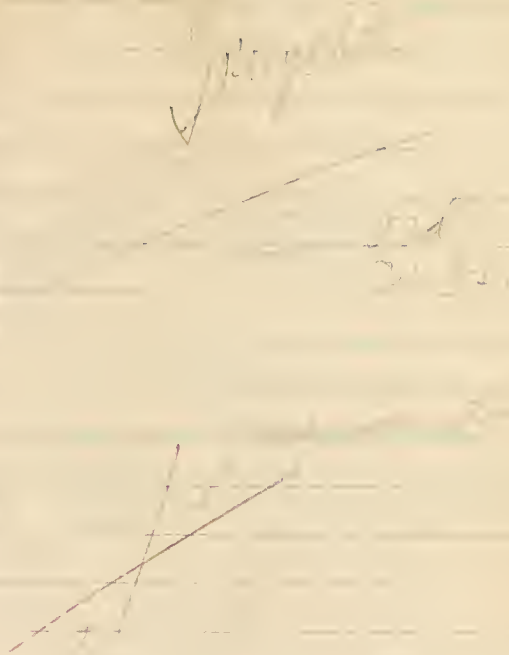
Graded bedding

Sourge strs.

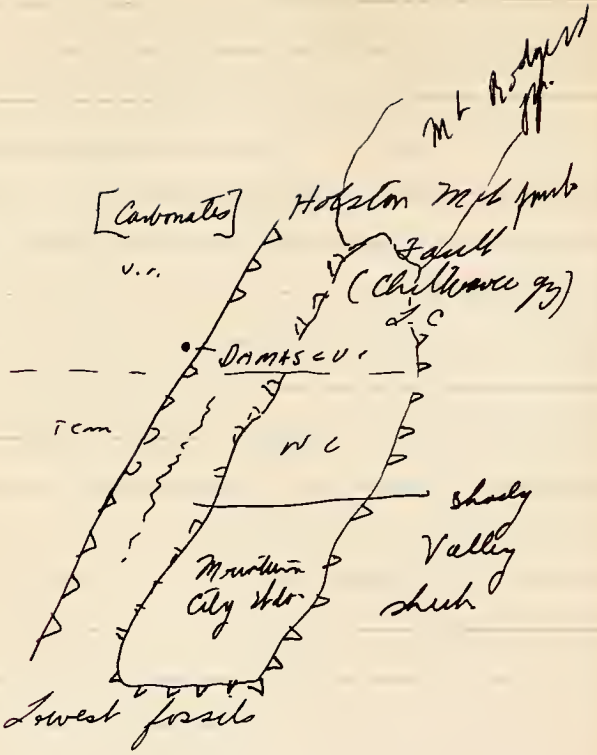
11/24

21.

22 The



Stop 25.




Mountain City window

Boom eroded into the thrust sheet

Boom o

Knox ggp.

Shady Valley is synclinal sheet.

Piece of gneissic basement tied into thrust sheet. Chilhowee (Unicoi) sits directly on basement here.

Lower Unicoi in fault contact with Mt. Rodgers ~~Mbr~~ fm in this area.

Different units of Mt. Rodgers are in contact with basement.

Childhouse Fm.
Clastic Rocks.

Unicoi

Lower: Qtz pebble congl.
and feldspars.
Shales & finer ccs.

Basalts - Flows (may be sills
& rather than flows)

26 Bear Tree Top at Jct of Iron Mt

Upper Plate of Shady Valley Thrust.

22 Upper unit of Ghormeroda with lower Unicoi Top of Mt Rodgers. Mud flow congl. much feldspar.

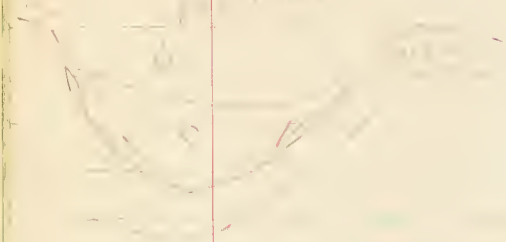
Most of rock in Unicoi congl. derived from basement & not Mt. Rodgers Volc gp.

24 Mudflow Congl in Top of Ghormeroda fm.

Most rocks from the Basement (Grenville) and not from Mt Rodgers gp. Big and so large as to indicate a nearby land source.

associated with rhythmically
bedded mudstones

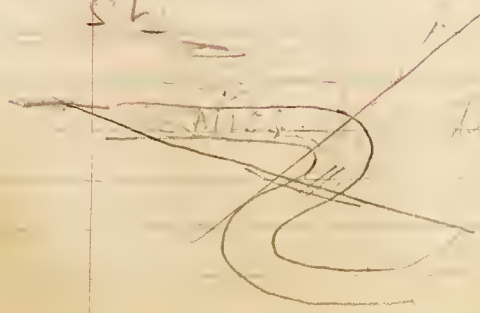
25. Laminated red carbonate cemented
sists & shs.
Long runs for only abt 1 mile.

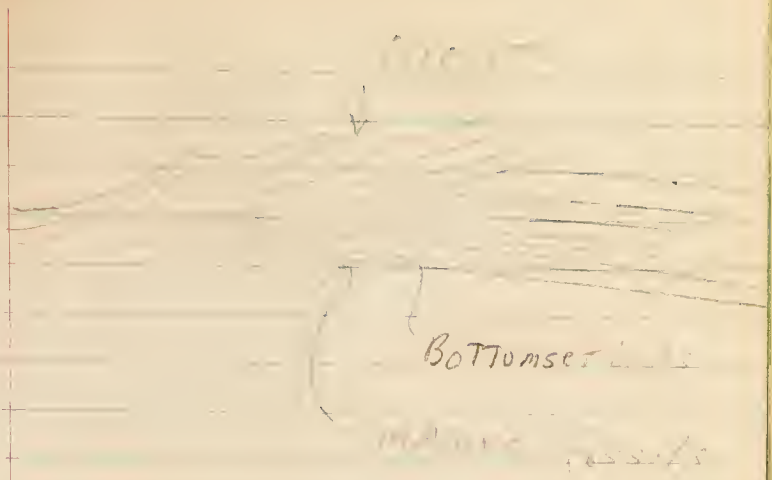


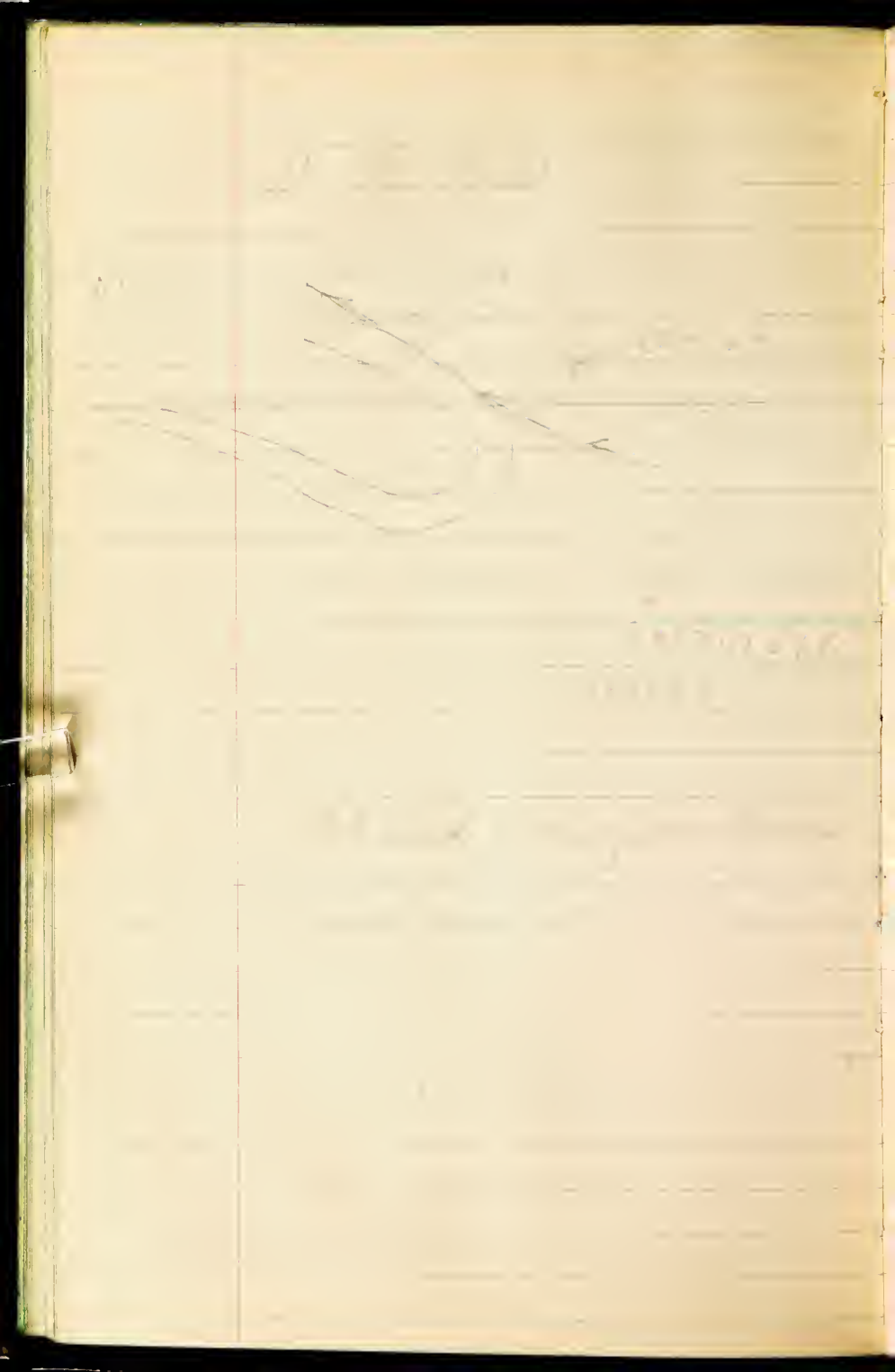
Saltville Overthrust

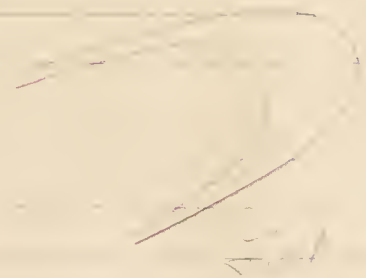
One of largest faults in E. N. A.

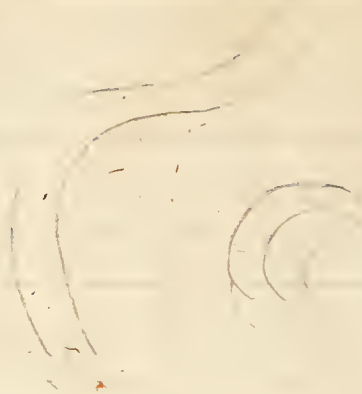
Marshall Kay Draws Western Edge of Mississippian Sea.


S E
N. W

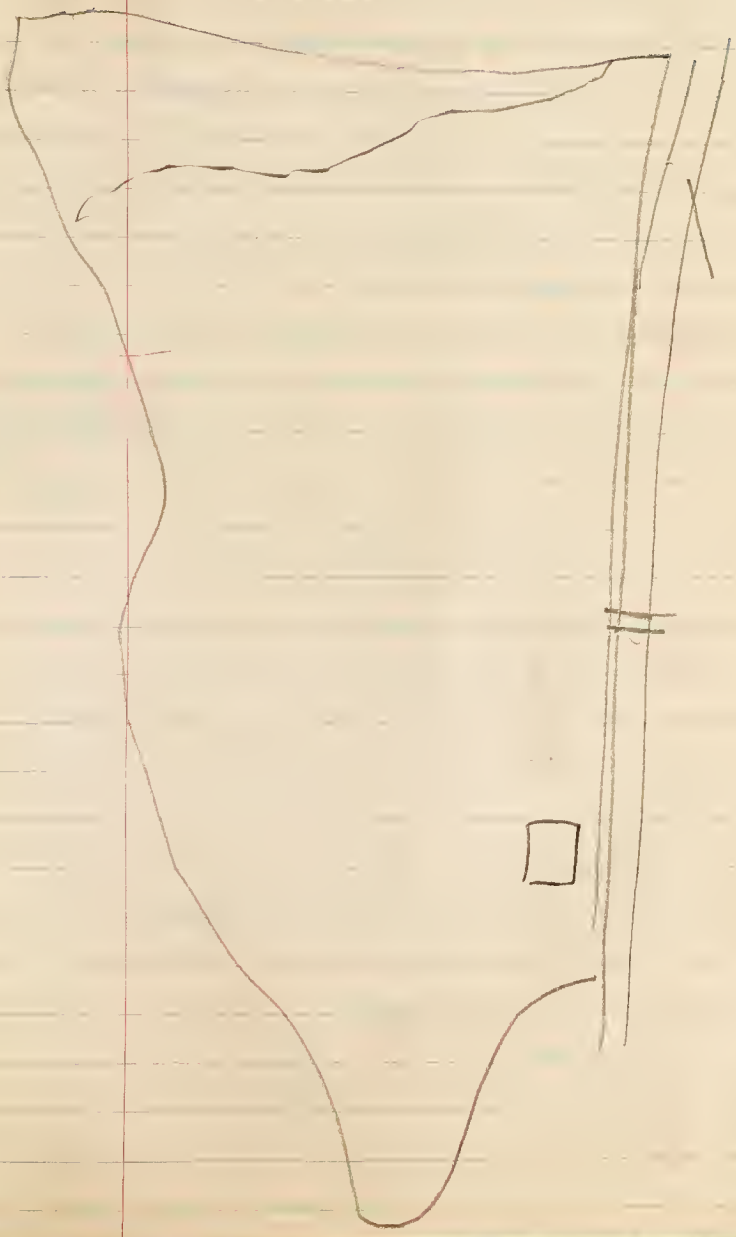

BOTTOMSET







Area B-6



**MINIATURE**

# PERSONAL ACCOUNT BOOKS

**for home and office**

★

NO. 2044 OPEN STOCK

in following rulings

JOURNAL • CASH • S. E. LEDGER

RECORD • D. E. LEDGER

★

NO. 2044-A ASSORTMENT

consisting of

3 – JOURNAL 3 – CASH 2 – S. E. LEDGER

2 – RECORD 2 – D. E. LEDGER

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